

From: [Capacasa, Jon](#)
To: [Johnson, KarenD](#)
Cc: [Nelson, Mark](#); [Rogers, Rick](#)
Subject: RE: Hampton roads project
Date: Friday, January 08, 2016 12:45:15 PM

That's helpful Karen on the Chesapeake project earlier.

There is a 40 page Power Point available on the link I provided in an earlier email message. We are good for now but be good for Mark and you to browse the presentation and anticipate what questions we may have as this gets considered for a permitting situation down the road. Early guidance would be important.

-----Original Message-----

From: Johnson, KarenD
Sent: Friday, January 08, 2016 12:35 PM
To: Capacasa, Jon <Capacasa.jon@epa.gov>
Cc: Nelson, Mark <Nelson.Mark@epa.gov>; rogers, rick <rogers.rick@epa.gov>
Subject: Re: Hampton roads project

We'd need to learn about the project

We don't know what is planned

For Chesapeake, the system has about a dozen wells The surface water is injected during high water periods and recovered during low water periods The presence of fluoride in the receiving formation is a marker for point where they have recovered the stored water There is no chlorination before injection. Chlorination has changed water chemistry in the receiving formation in Wisconsin and caused water quality issues, I think with Arsenic, but we can look into it

If this instead of storm water as I'm assuming here, and it is POTW effluent, it will be a class 1 municipal well and is far more complex with regard to the depth, construction, etc.

They would be more similar to the Class 1 municipal wells I'm Florida and I'm not sure we'd even have suitable formations in VA or with adequate protection from USDW's Certainly late to include us in these discussions if this is a solution to CWA issues

I'm currently out of town and will be at a meet at UVA this afternoon I'll kept my iPhone with me but will be difficult to respond if I don't have reception at the pool Sent from my iPhone

> On Jan 8, 2016, at 11:59 AM, Capacasa, Jon <Capacasa.jon@epa.gov> wrote:

>

> Can Mark give us a few bullet points on that Chesapeake Project so I can mention it during the meeting as a prior example? Aquifer recharge or disposal?

>

>

> -----Original Message-----

> From: Johnson, KarenD

> Sent: Friday, January 08, 2016 11:57 AM

> To: Capacasa, Jon <Capacasa.jon@epa.gov>

> Subject: Re: Hampton roads project

>

> No we have not been involved, it would need a permit under UIC We have

> a similar aquifer storage project in Chesapeake I've asked Mark Z to

> contact Mark Nelson , who's overseen the Chesapeake project for years

>

> Sent from my iPhone

>

>> On Jan 7, 2016, at 4:02 PM, Capacasa, Jon <Capacasa.jon@epa.gov> wrote:

>>

>> Are you aware of a Hampton roads project proposed for ground water recharge and recovery? Shawn has been invited to a briefing on the subject by Paylor.

>>

>> This would require UIC permit right? From us?

>> Jon

>>

>> Sent from my iPhone